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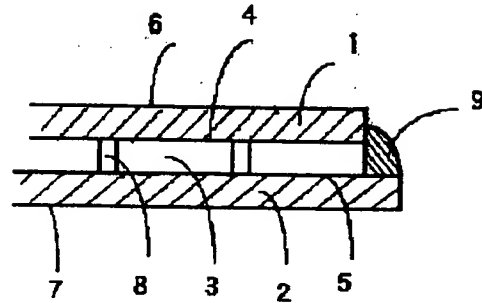
APPLICATION DATE : 12-01-98
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APPLICANT : ASAHI GLASS CO LTD;

INVENTOR : HARADA SHINICHI;

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TITLE : VACUUM DOUBLE LAYER GLASS



ABSTRACT : PROBLEM TO BE SOLVED: To make it possible to lessen the failure of glass sheets by tensile stresses and strains by constituting at least one sheet of the plural glass sheets spaced from each other of a float glass sheet and arranging a non-bottom surface side by a floating method on the non-contact surface of the float glass sheet and spacers.

SOLUTION: This vacuum double layer glass is formed by arranging many spacers 8 holding a spacing part 3 at a prescribed distance between the two glass sheets 1 and 2 spaced from each other, sealing the ends of the glass sheets by solder 3 and putting the spacing part 3 into a reduced pressure state. At least one of the two glass sheets 1, 2 comprises the float glass sheet and the bottom surfaces 4, 5 thereof are disposed to face each other. The non-contact surfaces with the spacers 8 are so arranged as to be formed as the non-bottom surfaces 6, 7 by the floating method. The vacuum composite glass receives the pressure from outside on the glass sheet on the outer side and a local tensile stress occurs on the glass sheet surface on the outer side and, therefore, the non-bottom surface side of the relatively high strength of the glass sheets by the floating method is so arranged as to come to the outer side.

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